#### *INTRODUCTION*

The North Carolina Division of Medical Assistance (NC DMA) conducts annual HEDIS reporting as a means of comparing selected performance measures across the Division's systems of health care as well as obtaining measures for the Medicaid population as a whole.

HEDIS is a widely recognized set of performances indicators addressing access, utilization, and quality of care, which are priorities for the Division in administering the Medicaid program. The Division utilizes these reports to plan quality initiatives, to compare NC measures with national HEDIS means and benchmarks, to make consistent comparisons of performance between the Medicaid systems of care, and for state and federal reporting.

Currently, NC DMA has one (1) traditional fee-for-service and three (3) managed care programs providing access to medical care for Medicaid recipients. Under the umbrella of Community Care of North Carolina (CCNC), Carolina ACCESS is the basic primary care case management (PCCM) program that has expanded to all 100 counties in North Carolina since 1991. Through the Carolina ACCESS program, NC DMA contracts with primary care physicians to provide preventive and sick care as well as to coordinate specialty care for recipients linked to their practices.

Community Care of NC (CCNC) also includes the ACCESS II program which expands the PCCM managed care concept to incorporate targeted case management and disease management. As a community-based managed care program, participating physicians are members in one of twenty-one (21) administrative networks. The ACCESS II networks collaborate to develop consistent care practices for such diseases as asthma and diabetes. Participating physicians are paid an administrative fee as is the administrative entity. The fees paid to the entity are used to administer care management and quality improvement initiatives.

Health Care Connections is a risk-based, capitated program serving recipients in Mecklenburg County, North Carolina. Currently, Wellpath Select, Inc. under the name of SouthCare is the one (1) participating Managed Care Organization (MCO) contracting in with NC DMA.

Approximately 70% of the NC Medicaid population is enrolled in one of the Managed Care programs. The remaining 30% are enrolled in traditional fee-for-service Medicaid. Managed care enrollment is dependent upon the recipients' eligibility classifications and/or special circumstances that would warrant an exemption from managed care.

#### **METHODOLOGY**

The HEDIS results included in this report were obtained using the "2004 HEDIS, Volume 2 Technical Specifications". Eligible populations were drawn from eligibility and claims data from the NC DMA's MMIS and DRIVE data warehouses. HEDIS specifications for continuous enrollment are the time in months that the recipient is enrolled in Medicaid before a particular date or event. Since NC Medicaid uses a monthly enrollment period, months are used to determine continuous enrollment. The anchor date is a date in time that the recipient is required to be enrolled in Medicaid. For a recipient to be eligible for inclusion in the HEDIS measure, Medicaid continuous enrollment criteria (11 out of 12 months of the year), anchor date criteria, as well as any other specific parameters such as age, gender, medical diagnosis, or previous procedure/condition must be met.

Data was abstracted from eligibility, claims and encounter data. The MCO submits only paid encounters; therefore paid claims for the remaining systems of care were used to equate comparisons among them. Data was retrieved using a 6-month lag time for claims to process. This lag time period may be adequate for office-based visits, however may result in undercounting of inpatient visits. Other data limitations that may impact the reported results are as follows:

- The NC DMA DRIVE data warehouse contains a rolling 54 months timeframe of data. The DRIVE data warehouse is building to retention of 60 months of claims that will be available as of July, 2005. As a result, some exclusions occurring prior to this period may not have been identified.
- This report contains results reported from administrative data only. The use of a hybrid data retrieval including medical record review may have increased the results on some measures.
- Encounter data is processed through a complex series of audits and edits
  that includes shadow pricing of the claims. Encounters that fail the audits
  and edits deny and are returned to the MCO for correction and not loaded
  into the DRIVE warehouse until the claims are corrected. Therefore,
  MCO results may be underreported.
- With regard to Diabetic Retinal Exams, the technical specification changed to "require all criteria to be met to count eye exams performed in

the year prior to the measurement year". One of the criteria, "the member's most recent HbA1c level (performed during the measurement year) equals <8.0%". Since DRIVE does not have test results, a decision was made to exclude in the numerator, eye exams performed in the year prior to the measurement year. This altered the data run for this year resulting in lower percentages from previous years.

The reader should note that data in this report is based on HEDIS measurement year 2003 for reporting year 2004. The changes in the technical specifications for measurement year 2003 are listed at the end of this report.

#### CHILDREN WITH SPECIAL HEALTH CARE NEEDS (CSHCN)

In recent years, the Division has placed focus on tracking and quality measures relating to access to services and quality of care for CSHCN. NC uses the federal Centers for Medicare and Medicaid (CMS) definition of CSHCN based on eligibility categories as well as through self-identification based on a parent/guardian's responses to 5 questions relating to the child's medical needs, use of specialists, and use of special equipment.

Subsets of HEDIS measures for CSHCN are included in this report. These measures, as well as focused care studies, are used to assess quality of care and for reporting to state and federal agencies.

#### NC DMA MEASURES FOR REPORTING YEAR 2004

- Childhood Immunizations, Rates 1 and 2\*
- Adolescent Immunizations, Rates 1 and 2\*
- Breast Cancer Screening
- Cervical Cancer Screening
- Diabetic HbA1c Testing
- Diabetic Retinal Exams
- Diabetic LDL-C Screening
- Appropriate Medications for People with Asthma, Ages 5-9 years, 10-17 years, and 18-56 years\*
- Adults Access to Preventive/Ambulatory Services, Ages 20-44 years, 45-64 years, and 65 and older years.
- Children's Access to Primary Care Practitioners, Ages 12-24 months, 25 months -6 years, and 7-11 years\*
- Well-Child Visits in the First 15 Months of Life, 0-6+ visits\*
- Well-Child Visits in the 3<sup>rd</sup>-6<sup>th</sup> years of Life\*
- Adolescent Well Care Visits, Ages 12-19\*
- Prenatal Care\*
- Inpatient Utilization-General Hospital Acute Care, Total inpatient acute care, medical, surgery, and maternity\*
- Ambulatory Care, Outpatient visits, emergency room visits, ambulatory surgery visits and observation room visits\*

<sup>\*</sup>Indicates subset data for CSHCN

#### **Reporting Year 2004 Results**

The Division results are above the national HEDIS means in childhood immunizations, appropriate medications for people with asthma (except age group 18-56 years), adult's access to preventive/ambulatory services ages 20-44 years and all age groups for children's access to primary care practitioners. Generally, rates were higher in the PCCM programs than in the HMO and Fee for Service programs. As mentioned earlier, the HMO data relies on encounter data and rates may be underreported due to the complexity of encounter data submissions.

Areas for improvement include breast and cervical cancer screenings, diabetic care, asthma care for adults and adolescent immunizations. Adolescent immunization rates may increase with the implementation of an immunization registry, which is currently in the testing phase. Adult diabetic care rates are lower this year and may be due to a change in the Technical Specifications for measurement inclusion.

The Division will use the HEDIS in part for state and federal reporting purposes, comparisons between systems of care, and future quality improvement initiatives.

Indicator		CA I	CA II/III	Aggregate	Fee for	Total	HEDIS
indicator		%	%	HMO	Service	DMA	Mean
		/0	70	%	%	%	%
Childhood Immunization	CY	65.51	61.92	45.61	55.21	60.19	57.2
Rate 1	2003						
	CY	64.07	65.0	42.9	55.94	61.16	56.02
	2002	04.07	02.0	12.0	20174	01.10	20.02
Childhood Immunization	CY	59.84	58.54	42.46	50.88	55.81	52.7
Rate 2	2003			12010	20,00		0211
	CY	53.39	59.97	36.15	47.43	52.88	52.3
	2002	33.39	39.91	30.13	47.43	34.00	54.5
	2002						
Adolescent Immunization	CY	26.34	22.59	8.33	19.42	22.57	42.4
Combination 1	2003	20.34	22.39	0.33	17.42	22.31	72.7
Combination 1							
	CY	27.57	26.05	10.42	19.76	24.45	35.7
	2002						
	OT.	1.24	1.00	1.00	4.04	4.00	24.4
	CY	1.34	1.29	1.28	1.21	1.28	24.4
Adolescent Immunization	2003	1.06	1.42	0	50	00	15.0
Combination 2	CY	1.06	1.43	0	.59	.99	17.8
	2002						
	CY	51.19	53.24	39.58	42.73	45.10	55.6
Breast Cancer Screening	2003						
	CY	52.32	52.19	36.36	43.5	46.52	55.2
	2002						
	CY	61.19	60.07	58.74	46.21	52.31	61.8
	2003	01.19	00.07	56.74	40.21	52.51	01.0
Cervical Cancer Screening	CY	58.62	58.11	50.26	42.24	50.21	60.0
Cervical Cancer Sertening	2002	30.02	50.11	50.20	42.24	30.21	00.0
	2002						
-	CIT?	50.05	<b>50.0</b> 4	F( 1)	20.60	26.06	<b>50.0</b>
	CY	52.35	58.06	56.16	29.60	36.96	72.0
Diobotio Hb 4 1 a Tastina	2003	<i>E</i> 1 40	E1 24	(2.50	20.54	21 24	60.5
Diabetic HbA1c Testing	CY 2002	51.48	51.34	62.58	20.54	31.34	69.5
	2002						
	CY	35.63	33.53	19.18	33.49	33.91	46.0
Diabetic Retinal Exams	2003						
	CY	54.26	47.11	34.36	52.22	52.44	44.6
	2002						
		l .	l	L	1		l

Indicator		CA I %	CA II/III %	Aggregate HMO %	Fee for Service %	Total DMA %	HEDIS Mean %
	CY 2003	54.55	56.30	75.34	27.27	35.62	70.0
LDL-C Screening	CY 2002	52.88	51.54	61.96	18.08	30.15	64.5
	CY	68.97	78.49	50.0	71.06	72.92	58.0
Appropriate Meds for People with Asthma Age 5-9 years	2003 CY 2002	69.53	76.9	66.67	65.09	70.39	54.2
rigo e y jenis	2002						
Appropriate Meds for	CY 2003	68.92	74.0	50.0	66.29	69.31	60.1
People with Asthma Age 10-17 years	CY 2002	65.99	73.95	62.96	64.03	67.63	57.2
Appropriate Meds for	CY 2003	53.70	59.97	54.55	53.27	54.12	63.9
People with Asthma Age 18-56 years	CY 2002	68.83	70.25	57.41	69.41	69.20	61.5
A 1 7/4 A	OX.	01.10	74.00	(0.(0	50.55	<b>50.51</b>	55.2
Adult's Access to Preventive/Ambulatory	CY 2003	81.12	74.22	69.69	78.77	78.71	75.3
Services Ages 20-44 Years	CY 2002	81.1	76.79	69.98	77.61	78.82	73.1
Adult's Access to Preventive/Ambulatory	CY 2003	88.25	82.61	69.90	77.65	80.42	81.6
Services Ages 45-64 Years	CY 2002	88.89	84.43	76.82	78.87	82.41	79.7
Adult's Access to Preventive/Ambulatory	CY 2003	87.40	82.58	100	74.49	75.36	77.1
Services Ages 65 and older	CY 2002	93.04	88.52	100	78.32	79.49	77.2
Children's Access to Primary Care Practitioners Age 12-24 months	CY 2003	97.59	95.93	94.67	94.99	95.85	90.9
rige 12-27 months	CY 2002	97.43	95.67	90.44	94.43	95.67	90.0

Indicator		CA I	CA II/III	Aggregate	Fee for	Total	HEDIS
indicator		%	%	HMO	Service	DMA	Mean
		70	70	%	%	%	%
Children's Access to Primary Care Practitioners Age 25 months-6 years	CY 2003	88.54	87.44	73.30	85.04	86.60	79.9
and the state of t	CY 2002	87.84	87.81	74.43	81.41	85.35	78.7
Children's Access to Primary Care Practitioners	CY 2003	82.78	86.28	68.61	80.23	82.45	80.2
Age 7-11 years	CY 2002	81.27	87.43	73.6	76.56	81.01	79.1
	CTI	4.64	2.54	1.10	4.45	2.55	6.0
Well Child Visits in the First 15 Months of Life	CY 2003	1.61	3.64	4.10	4.47	3.55	6.9
No visits	CY 2002	1.93	.97	6.75	6.35	3.64	
VV.011 Ch214 V/2-24-241	CV	2.10	1 44	10.26	4.12	2.05	<i>5</i> 0
Well Child Visits in the First 15 Months of Life One Visit	CY 2003	2.19	1.44	10.26	4.12	2.95	5.0
	CY 2002	2.49	1.45	7.08	4.92	3.33	6.17
	OT7	2.51	2.20	1126	7.40	4.10	
Well Child Visits in the First 15 Months of Life Two	CY 2003	3.51	2.29	14.36	5.48	4.18	6.1
Visits	CY 2002	4.01	2.57	14.17	7.39	5.24	7.07
	CTI	<b>7</b> .02	125	21.62	0.04	<b>=</b> 00	0.2
Well Child Visits in the First 15 Months of Life	CY 2003	5.93	4.36	24.62	9.04	7.08	8.3
Three Visits	CY 2002	6.54	5.12	15.18	11.2	8.30	9.4
		44	0.70	• • • • •	44=:	40.50	10.5
Well Child Visits in the First 15 Months of Life	CY 2003	11.47	9.60	28.21	14.71	12.60	12.8
First 15 Months of Life Four Visits	CY 2002	12.59	10.76	23.95	16.71	14.05	14.3
Well Child Visits in the	CY	21.84	22.49	13.85	21.68	21.90	18.6
First 15 Months of Life Five	2003						
Visits	CY 2002	22.19	23.87	20.4	20.04	21.66	18.2

Indicator		CA I	CA II/III	Aggregate	FFS	Total	HEDIS
			%	HMO	<b>%</b>	DMA %	Mean
				%			%
Well Child Visits in the	CY	53.45	56.17	4.62	40.50	47.74	42.3
First 15 Months of Life	2003						
Six + Visits	CY	50.24	55.26	12.48	33.39	43.78	36.6
	2002						
Well Child Visits in the 3 <sup>rd</sup> -	CY	59.14	61.20	44.92	55.53	58.27	58.1
6 <sup>th</sup> Years of Life	2003						
	CY	60.1	61.44	39.27	56.09	58.77	55.1
	2002						
Adolescent Well Care Visits	CY	26.18	30.03	24.01	26.19	27.29	36.7
Age 12-19 Years	2003						
	CY	27.86	31.57	20	27.74	28.66	32.4
	2002						
Prenatal Care	CY	37.67	47.15	14.29	40.34	40.59	70.4
Frenatai Care	2003						
	CY	38.25	52.05	12.82	41.52	41.13	71.8
	2002						

#### **<u>Utilization Indicators- Inpatient</u>**

Indicator Reported in Discharges/ 1000 Member Months		Age <1	Age 1-9 Years	Age 10-19 Years	Age 20-44 Years	<u>Age</u> <u>45-64</u> <u>Years</u>	<u>Age</u> <u>65-74</u> <u>Years</u>	Age 75-84 Years	<u>Age</u> <u>85+</u>	<u>Total</u>	HEDIS Mean
T	OT 7	12.0	2.0		25.0	260	10.2	44.5	450	12.0	0.=
Inpatient Utilization-	CY 2003	13.0	2.9	6.6	27.8	26.0	10.3	11.7	15.0	13.0	8.7
General Hospital/Acute Care Total	CY 2002	12.2	2.8	7.1	28.4	26.9	12.7	14.4	17.1	13.6	9.6
Inpatient Utilization- General	CY 2003	N/A	N/A	4.3	16.6	.01	N/A	N/A	N/A	8.2	3.1
Hospital/Acute Care Maternity	CY 2002	N/A	N/A	4.8	17	.02	N/A	N/A	N/A	8.6	3.7
Inpatient Utilization- General	CY 2003	1.3	0.4	0.7	3.4	5.9	1.4	1.4	1.7	1.8	1.5
Hospital/Acute Care Surgery	CY 2002	1.4	.4	.7	3.5	6.4	2.0	2.0	2.1	2.0	1.1
Inpatient Utilization- General	CY 2003	11.7	2.5	1.6	7.8	20.1	8.9	10.3	13.3	6.8	4.1
Hospital/Acute Care Medicine	CY 2002	10.8	2.4	1.7	7.9	20.5	10.7	12.4	15.0	7.1	4.7

#### **<u>Utilization Indicators-Ambulatory Care</u>**

Indicator Reported as Visits/1000 Member Months		<u>Age</u> <1	<u>Age</u> <u>1-9</u> <u>Years</u>	Age 10-19 Years	Age 20-44 Years	Age 45-64 Years	Age 65-74 Years	Age 75-84 Years	Age 85+ Years	Total	HEDIS Mean
Outpatient Visits	CY 2003 CY 2002	830.5 552.5	304.1	222.7	385.3 385.5	541.0 552.4	472.5 510.9	488.1 528.6	495.3	381.1 350.8	267.6 266.5

Indicator Reported in Discharges/ 1000 Member Months		<b>Age</b> <1	Age 1-9 Years	Age 10-19 Years	Age 20-44 Years	Age 45-64 Years	<u>Age</u> <u>65-74</u> <u>Years</u>	Age 75-84 Years	Age 85+	Total	HEDIS Mean
Emergency Department	CY 2003	101.0	54.7	47.1	102.2	69.2	34.9	32.9	35.4	64.1	49.4
Visits	CY 2002	91.5	4739	44.4	98.7	67.8	33.9	32.6	33.4	60.0	46.3
Ambulatory Surgery	CY 2003	4.8	4.1	2.5	11.2	23.6	19.1	15.4	8.9	8.9	5.2
Procedures/1000 Member Months	CY 2002	4.6	3.1	2.3	10.5	23.6	19.5	16.0	9.3	8.5	4.5
A 1 1 4	OX7	0.7	0.2	1.6	4.2	0.4	0.2	0.2	0.2	1.4	1.5
Ambulatory Care	CY 2003	0.7	0.2	1.6	4.2	0.4	0.2	0.2	0.2	1.4	1.5
Observation Room	CY 2002	.7	.2	1.6	4.3	.3	.2	.1	.2	1.4	1.6

#### **HEDIS Measures for CSHCN Measurement Year 2003, Reporting Year 2004**

Indicator		CAI	CA II/III	Aggregate HMO	Fee for Service	DMA Total
Childhood Immunization	CY 2003	74.74	68.98	66.67	62.52	67.83
Rate #1	CY 2002	66.91%	71.01%	100%	60%	64.78%
Childhood Immunization	CY 2003	68.30	64.86	55.56	58.75	63.22
Rate # 2	CY 2002	55.15%	66.49%	75%	54.25%	57.62%
Adolescent Immunization	CY 2003	20.03	18.95	7.69	14.70	17.31
Rate #1	CY 2002	30.48%	26.17%	0%	21.34%	25.93%
Adolescent Immunization	CY 2003	1.44	.92	0	1.07	1.13
Rate #2	CY 2002	2.94%	1.93%	0%	1.03%	1.95%
Well Child Visits in the First 15	CY 2003	1.05	1.93	0	4.92	1.975
Months of Life 0 Visits	CY 2002	2.50%	.41%	6.90%	6.40%	4.052
Well Child Visits in the First 15	CY 2003	1.98	1.35	0	4.89	2.055
Months of Life 1 Visit	CY 2002	2.37%	1.22%	10.34%	5.71%	4.91
Well Child Visits in the First 15	CY 2003	3.69	2.11	28.57	6.50	10.217
Months of Life 2 Visits	CY 2002	5.30%	2.37%	17.24%	8.22%	8.282
Well Child Visits in the First 15	CY 2003	6.85	5.15	28.57	9.84	12.602
Months of Life 3 Visits	CY 2002	7.19%	5.79%	13.79%	11.78%	9.637

#### **HEDIS Measures for CSHCN Measurement Year 2003, Reporting Year 2004**

Indicator		CAI	CA II/III	Aggregate HMO	Fee for Service	DMA Total
Well Child Visits in the First 15	CY 2003	12.78	11.53	0	15.47	9.945
Months of Life 4 Visits	CY 2002	12.93%	13.72%	27.59%	16.59%	17.707
Well Child Visits in the First 15	CY 2003	24.04	22.18	28.57	21.26	24.012
Months of Life 5 Visits	CY 2002	25.33%	22.64%	17.24%	20.06%	21.317
Well Child Visits in the First 15	CY 2003	49.60	55.76	14.29	37.12	39.192
Months of Life 6+ Visits	CY 2002	44.39%	53.85%	6.90%	31.24%	34.095
XX7.11 (CI 11 X71 14	CIT 7	(2.05	(4.12	22.00	50 F 4	(1.00
Well Child Visits in the 3 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> ,	CY 2003	62.95	64.12	32.00	59.74	61.80
and 6 <sup>th</sup> Years of Life	CY 2002	64.02%	67.70%	36.36%	61.94%	64.08%
Adolescent Well Care Visits	CY 2003	25.26	30.26	17.57	31.69	29.91
	CY 2002	25.66%	30.14%	0%	34.75%	31.0%
Children's Access	CY	99.08	98.15	88.9	96.50	97.49
to Primary Care Practitioners 12-24 Months	2003 CY 2002	97.9%	98.75%	93.75%	96.55%	97.53%
Children's Access to Primary Care	CY 2003	91.45	92.12	65.71	89.92	90.92
Practitioners 25 months-6 years	CY 2002	91.68	93.88	78.63	88.29	90.90
Children's Access to Primary Care	CY 2003	86.78	90.48	76.47	85.36	86.88
Practitioners 7-11 years	CY 2002	84.2	90.74	69.61	82.89	84.96
Children's Access to Primary Care Practitioners 7-11	2002 CY 2003 CY	86.78	90.48	76.47	85.36	80

#### **HEDIS Measures for CSHCN Measurement Year 2003, Reporting Year 2004**

<u>Indicator</u>		<u>CAI</u>	CAII/III	Aggregate HMO	Fee for Service	<u>Total</u>
Children's Access to Primary Care Practitioners 12-19 years	CY 2003	80.55	85.56	70.97	81.76	82.28
	CY	NA	NA	NA	NA	NA
	2002					

<u>Utilization</u>		<u>Age &lt;1</u>	Age 1-9	Age 10-19	<u>Total</u>	
<u>Indicators</u>			<u>Years</u>	<u>Years</u>		
Ambulatory Care-	CY	957.3	425.3	273.3	403.7	
Outpatient	2003					
Visits/1000 Member Months	CY 2002	696.7	354.1	242.5	341.0	
Ambulatory Care-	CY	130.6	67.3	49.2	64.7	
Emergency Room	2003					
Visits/1000	CY	117.4	59.5	45.2	59.2	
<b>Member Months</b>	2002					
<b>Ambulatory Care-</b>	CY	8.3	7.8	3.4	5.9	
Ambulatory	2003					
Surgery	CY	7.7	6.8	3.3	5.4	
Visits/1000	2002					
Member Months						

					<del></del>	
<b>Ambulatory Care-</b>	CY	1.2	0.7	0.8	0.8	
<b>Observation Room</b>	2003					
Visits/1000 Member	CY	1.4	.6	.7	.7	
Months	2002					
Inpatient Acute	CY	176.9	33.6	28.5	43.2	
Care-Total	2003					
Days/1000 Member	CY	185.4	34.5	28.2	46.2	
Months	2002					
Inpatient Acute	CY	98.3	24.4	18.6	28.0	
Care-Medical	2003					
Days/1000 Member	CY	100.9	23.2	16.7	27.9	
Months	2002					

<u>Utilization</u>		<u>Age &lt;1</u>	Age 1-9	Age 10-19	Total	
<u>Indicators</u>			<u>Years</u>	<u>Years</u>		
<b>Inpatient Acute</b>	CY	78.6	9.2	7.4	14.1	
Care-Surgery	2003					
Days/1000 Member	CY	84.5	11.2	8.7	17.1	
Months	2002					
<b>Inpatient Acute</b>	CY			2.4	2.4	
Care-Maternity	2003					
Days/1000 Member	CY			2.8	2.8	
Months	2002					

#### **Description of HEDIS Measures**

<u>Please refer to NCQA, HEDIS 2004 Technical Specifications, Volume 2 for complete descriptions for eligible populations, numerators and denominators, and process for calculating rates.</u>

- 1. <u>Childhood Immunization Rate 1-</u> The percentage of enrolled children who turned 2 years old during the measurement year, who were continuously enrolled for 12 months immediately preceding their 2<sup>nd</sup> birthday, who were identified as having had 4 DtaP/DT, 3 IPV/OPV, 1 MMR, 3 H influenza type B, and 3 hepatitis B by the time period specified and by the member's 2<sup>nd</sup> birthday.
- 2. <u>Childhood Immunization Rate 2-</u> The percentage of children as described in Childhood Immunization Rate 1 who have received <u>all</u> of the vaccines listed in Rate 1 and at least one chicken pox vaccine.
- 3. Adolescent Immunization Rate 1- The percentage of enrolled adolescents who turned 13 years old during the measurement year, were continuously enrolled for 12 months immediately prior to their 13<sup>th</sup> birthday and who had a 2<sup>nd</sup> dose of MMR, and 3 hepatitis B vaccines.
- 4. <u>Adolescent Immunization Rate 2-</u> The percentage of enrolled adolescents who received <u>all</u> of the vaccinations listed in Rate 1 and at least 1 chicken pox vaccine.
- 5. **Breast Cancer Screening-**The percentage of women age 50-69 years who were continuously enrolled during the measurement year and the year prior to the measurement year who had a mammogram during the measurement year or year prior to the measurement year.
- 6. <u>Cervical Cancer Screening-</u>The percentage of women age 18-64 years who were continuously enrolled during the measurement year and the 2 years prior to the measurement year, and received 1 or more Pap tests during the measurement year or the 2 years prior to the measurement year.
- 7. <u>Diabetic HbA1c Testing-</u>The percentage of members with diabetes (Type I and Type 2) age 18-75 years, who were continuously enrolled during the measurement year and had 1 or more HbA1c tests during the measurement year.
- 8. <u>Diabetic Retinal Eye Exams</u> The percentage of members with diabetes (Type I and Type 2) age 18-75 years, who were continuously enrolled during the measurement year and had an eye screening for diabetic retinal disease during the measurement year.
- 9. <u>Diabetic LDL-C Screening</u>- The percentage of members with diabetes (Type I and Type 2) age 18-75 years, who were continuously enrolled during the measurement year and had an LCL-C test done during the measurement year or year prior to the measurement year.
- 10. <u>Use of Appropriate Medications for People with Asthma</u>-The percentage of members age 5-56 years during the measurement year who were identified as having persistent asthma during the year prior to the measurement year and who were appropriately prescribed medication during the measurement year. This measure is reported for 3 age stratifications (based on age as of December 31 of the measurement year); 5-9 year-olds, 10-17 year-olds, and 18-56 year-olds.
- 11. <u>Adults' Access to Preventive/Ambulatory Health Services</u>- The percentage of enrollees age20-44, 45-64, and 65 and older who had an ambulatory or preventive-care visit. Nine separate rates are calculated.
- 12. <u>Children's Access to Primary Care Practitioners</u>- The percentage of enrollees age 12-24 months, 25 months-6 years, and 7-11 years who had a visit with a primary care practitioner during the measurement year.

- 13. Well-Child Visits in the First 15 Months of Life- The percentage of enrolled members who turned 15 months old during the measurement year, who were continuously enrolled from 31 days of age, and who received either zero, one, two, three, four, five, or six or more well-child visits with a primary care practitioner during their first 15 months of life.
- 14. Well Child Visits in the 3<sup>rd</sup>-6<sup>th</sup> Years of Life- The percentage of continuously enrolled members who were three, four, five or six years old during the measurement year and received one or more well-child visits with a primary care practitioner during the measurement year.
- 15. <u>Timeliness of Prenatal Care</u>- The percentage of women who delivered a live birth between November 6 of the year prior to the measurement year and November 5 of the measurement year and who were continuously enrolled at least 43 days prior to the delivery through 56 days after delivery who received a prenatal care visit in the first trimester or within 42 days of enrollment in MCO.
- 16. <u>Adolescent Well-Care Visits</u>- The percentage of continuously enrolled members who were age 12-21 years during the measurement year who have had at least one comprehensive well-care visit with a primary care practitioner or an OB/GYN practitioner during the measurement year.
- 17. <u>Ambulatory Care</u>- The summary of utilization of ambulatory services in the following categories: Outpatient Visits, Emergency Department Visits, Ambulatory Surgery/Procedures performed in hospital outpatient facilities or freestanding surgical centers, and Observation Room Stays that result in discharge.
- 18. <u>Inpatient Utilization-General Hospital/Acute Care</u>- The summary of utilization of acute inpatient services in the following categories: total services, medicine, surgery, and maternity. Nonacute care, mental health and chemical dependency services, as well as newborn care, are excluded. Medical and surgical services are reported separately because the factors influencing utilization and inpatient surgery utilization.

HEDIS 2004 CI	hildhood Immunizati	on Rate #1	
Measurement y	ear 2003		
By System of C	are		
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE
Total	23,964	39,811	60.19
ACCESS I	7,257	11,077	65.51
ACCESS II	8,031	12,971	61.92
FFS	8,546	15,478	55.21
HMO	130	285	45.61

HEDIS 2004 CHILDHOOD IMMUNIZATION RATE #1 - June 2004
2003 Measurement Year
Total All Eligible Population
NUMERATOR DENOMINATOR PERCENTAGE
23,964 39,811 60.19

HEDIS 2004- INDIVIDUAL MEASURES - CHILDHOOD IMMUNIZATION						
2003 Measuren	nent Year					
DTPRATE	IPVRATE	MMRRATI	E HIBRATE		HEPRATE	VZVRATE
68.9		82.0	81.3	81.0	73.8	75.0

HEDIS 2004 CHILDHOOD IMMUNIZATION RATE
#2
2003 Measurement Year
Total All Eligible Population
NUMERATOR DENOMINATOR PERCENTAGE
22,218 39,811 55.81

HEDIS 2004 CHILDHOOD IMMUNIZATION RATE #2				
2003 Measure	ment Year			
By System of 0	Care			
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE	
Total	22,218	39,811	55.81	
ACCESS I	6,629	11,077	59.84	
ACCESS II	7,593	12,971	58.54	
FFS	7,875	15,478	50.88	
HMO	121	285	42.46	

HEDIS CERV 2003 Measur By System of		CREENING	
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE
Total DMA	91,468	174,854	52.31
ACCESS I	29,224	47,758	61.19
ACCESS II	14,628	24,352	60.07
FFS	46,947	101,605	46.21
HMO	669	1,139	58.74

HEDIS BREAST CANCER SCREENING 2003 Measurement Year By System of Care				
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE	
Total DMA	23,703	52,554	45.10	
ACCESS I	5,555	10,851	51.19	
ACCESS II	1,670	3,137	53.24	
FFS	16,459	38,518	42.73	
НМО	19	48	39.58	

HEDIS PREMA 2003 Measure By System of	ement Year		
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE
Total DMA	15,579	38,379	40.59
ACCESS I	3,489	9,262	37.67
ACCESS II	2,468	5,234	47.15
FFS	9,615	23,834	40.34
HMO	7	49	14.29

HEDIS ASTH		PROPRIATE MEDS	
By System o	f Care		
5-9 YEARS C	LD		
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE
Total DMA	4,677	6,414	72.92
ACCESS I	1,100	1,595	68.97
ACCESS II	1,646	2,097	78.49
FFS	1,923	2,706	71.06
HMO	8	16	50.00

HEDIS ASTH	HEDIS ASTHMA-USE OF APPROPRIATE MEDS				
2003 Measure	ement Year				
By System of	f Care				
10-17 YEARS	OLD				
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE		
Total DMA	5,158	7,442	69.31		
ACCESS I	1,384	2,008	68.92		
ACCESS II	1,671	2,258	74.00		
FFS	2,096	3,162	66.29		
HMO	7	14	50.00		

2003 Measur By System o	ement Year	ROPRIATE MEDS	
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE
Total DMA	3,544	6,548	54.12
ACCESS I	930	1,732	53.70
ACCESS II	433	722	59.97
FFS	2,175	4,083	53.27
HMO	6	11	54.55

HEDIS ASTH Measuremen By System o	t Year 2003	PROPRIATE MEDS	
Combined Ra	ate		
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE
Total DMA	13,379	20,404	65.57
ACCESS I	3,414	5,335	63.99
ACCESS II	3,750	5,077	73.86
FFS	6,194	9,951	62.25
HMO	21	41	51.22

Combined rate is sum of 3 numerators divided by the 3 denominators

HEDIS CHILDRE PRACTITIONERS Measurement Ye By System of Ca 12-24 mths	S ear 2003	O PRIMARY CAI	RE
SYSCARE	SCREENS	<b>ELIGIBLE</b>	PERCENTAGE
Total DMA	44,396	46,317	95.85
ACCESS I	9,475	9,709	97.59
ACCESS II	15,055	15,694	95.93
FFS	19,635	20,670	94.99
HMO	231	244	94.67

HEDIS CHILDREN'S ACCESS TO PRIMARY CARE PRACTITIONERS Measurement Year 2003 By System of Care						
25 mths - 6 yrs	July 2004 ru	ın 2003 data				
SYSCARE	SCREENS	ELIGIBLE	PERCENTAGE			
Total DMA	139,895	161,540	86.60			
ACCESS I	32,683	36,912	88.54			
ACCESS II	49,667	56,803	87.44			
FFS	56,716	66,694	85.04			
HMO	829	1,131	73.30			

HEDIS CHILDREN'S ACCESS TO PRIMARY CARE PRACTITIONERS Measurement Year 2003 By System of Care						
7 yrs - 11 yrs	July 2004 rur	2003 data				
SYSCARE	SCREENS	ELIGIBLE	PERCENTAGE			
Total DMA	77,054	93,451	82.45			
ACCESS I	18,996	22,947	82.78			
ACCESS II	21,955	25,447	86.28			
FFS	35,832	44,662	80.23			
HMO	271	395	68.61			

<b>HEDIS ADOLESCENTS'</b>	ACCESS T	TO P	RIMARY	CARE
PRACTITIONERS				

**Measurement Year 2003** 

By System of Care

12 yrs - 19 yrs

12 yis 10 yis			
SYSCARE	SCREENS	<b>ELIGIBLE</b>	PERCENTAGE
Total DMA	92,753	115,791	80.10
ACCESS I	24,287	30,575	79.43
ACCESS II	23,992	28,434	84.38
FFS	44,121	56,237	78.46
HMO	353	545	64.77

#### HEDIS ADULT ACCESS TO PREVENTIVE/AMBULATORY

**HEALTH SERVICES** 

**Measurement Year 2003** 

By System of Care

20-44 years old

20-44 years	ola		
SYSCARE	NUMERATOR (SCREEN)	DENOMINATOR (ELIGIBLE)	PERCENTAGE
ACCESS I ACCESS	37,377	46,079	81.12%
II	17,556	23,654	74.22%
FFS	73,719	93,586	78.77%
HMO	830	1,191	69.69%
Total	129,482	164,510	78.71%

#### HEDIS ADULT ACCESS TO PREVENTIVE/AMBULATORY HEALTH SERVICES

Measurement Year 2003

By System of Care

45-64 years old

SYSCARE	NUMERATOR(SCREEN)	DENOMINATOR(ELIGIBLE)	PERCENTAGE
ACCESS I	20,356	23,066	88.25%
ACCESS			
II	9,166	11,095	82.61%
FFS	56,947	73,335	77.65%
HMO	144	206	69.90%
Total	86,613	107,702	80.42%

#### HEDIS ADULT ACCESS TO PREVENTIVE/AMBULATORY HEALTH SERVICES

Measurement Year 2003

By System of Care

65-older years old

SYSCARE	NUMERATOR(SCREEN)	DENOMINATOR(ELIGIBLE)	PERCENTAGE
ACCESS I	6,425	7,351	87.40%
ACCESS			
II	3,000	3,633	82.58%

FFS	97,412	130,779	74.49%
HMO	2	2	100.00%
Total	106,839	141,765	75.36%

HEDIS Well-child visits in the first 15 months of life Measurement year 2003 By System of Care PERCENTAGES								
Syscare	0 visits	1 visit	2 visits	3 visits	4 visits	5 visits	6+ visits	
ACCESS I	1.61%	2.19%	3.51%	5.93%	11.47%	21.84%	53.45%	100.00%
ACCESS II	3.64%	1.44%	2.29%	4.36%	9.60%	22.49%	56.17%	100.00%
FFS	4.47%	4.12%	5.48%	9.04%	14.71%	21.68%	40.50%	100.00%
HMO	4.10%	10.26%	14.36%	24.62%	28.21%	13.85%	4.62%	100.00%

HEDIS Well-child visits in the third, fourth, fifth, and sixth years of life Measurement Year 2003 By System of Care

SYSCARE	SCREENS
Total	74,854
ACCESS I	17,550
ACCESS II	27,542
FFS	29,355
HMO	407

### DATA TABLES FOR CHILDREN WITH SPECIAL HEALTH CARE NEEDS (CSHCN)

#### MEASUREMENT YEAR 2003 REPORTING YEAR 2004

HEDIS CHILDHOOD IMMUNIZATION RATE #1 Measurement Year 2003 CSHCN children					
By System of	Care				
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE		
Total	4,382	6,460	67.83		
ACCESS I	1,311	1,754	74.74		
ACCESS II	1,372	1,989	68.98		
FFS	1,693	2,708	62.52		
HMO	6	9	66.67		

HEDIS CHILDHOOD IMMUNIZATION RATE #2 Measurement Year 2003 CSHCN children					
By System of Care					
SYSCARE	NUMERATOR	DENOMINATOR	PERCENTAGE		
Total	4,084	6,460	63.22		
ACCESS I	1,198	1,754	68.30		
ACCESS II	1,290	1,989	64.86		
FFS	1,591	2,708	58.75		
HMO	5	9	55.56		

HEDIS CHILDHOOD IMMUNIZATION RATE #1						
Measurement Year 2003						
CSHCN						
children						
NUMERATOR	DENOMINATOR	PERCENTAGE				
4,382	6,460	67.83				

HEDIS CHILDHOOD IMMUNIZATION RATE #2						
Measurement Y	ear 2003					
	od: 2000					
CSHCN						
children						
ormaron.						
NUMERATOR	DENOMINATOR	PERCENTAGE				
4.084	6.460	63 22				
1,001	0, 100	00 <i>LL</i>				

#### DATA TABLES FOR CHILDREN WITH SPECIAL HEALTH CARE NEEDS (CSHCN)

#### **MEASUREMENT YEAR 2003 REPORTING YEAR 2004**

HEDIS IND	IVIDUA	L MEASURES - CHILDHOOD IMMUNIZATION

Measurement Year 2003

**CSHCN** 

children

DTPRATE **IPVRATE** MMRRATE HIBRATE HEPRATE VZVRATE 75.9 87.2 86.9 86.2 81.1 80.8

HEDIS CHILDREN'S ACCESS TO PRIMARY CARE
PRACTITIONERS
Measurement Vear 2003

Measurement Year 2003

CSHCN children

By System of Care

12 - 24 mths

12 27 111110			
SYSCARE	SCREENS	ELIGIBLE	PERCENTAGE
Total	7,413	7,604	97.49
ACCESS I	1,405	1,418	99.08
ACCESS II	2,333	2,377	98.15
FFS	3,667	3,800	96.50
HMO	8	9	88.89

#### HEDIS CHILDREN'S ACCESS TO PRIMARY CARE

**PRACTITIONERS** 

Measurement Year 2003

CSHCN children

By System of Care

25 months-6 years

20 months 0 ye	Jais		
SYSCARE	SCREENS	ELIGIBLE	PERCENTAGE
Total	22,659	24,921	90.92
ACCESS I	5,015	5,484	91.45
ACCESS II	7,350	7,979	92.12
FFS	10,271	11,423	89.92
HMO	23	35	65.71

### DATA TABLES FOR CHILDREN WITH SPECIAL HEALTH CARE NEEDS (CSHCN)

#### MEASUREMENT YEAR 2003 REPORTING YEAR 2004

HEDIS CHILDREN'S ACCESS TO PRIMARY CARE PRACTITIONERS Measurement Year 2003 CSHCN children-By System of Care							
7 yrs - 11 yrs							
SYSCARE	SCREENS	ELIGIBLE	PERCENTAGE				
Total	16,350	18,819	86.88				
ACCESS I	3,336	3,844	86.78				
ACCESS II	4,146	4,582	90.48				
FFS	8,842	10,359	85.36				
HMO	26	34	76.47				

HEDIS CHILDR PRACTITIONER Measurement Y CSHCN- By Sys 12 yrs - 19 yrs	RS 'ear 2003	O PRIMARY CAR	E
SYSCARE	SCREENS	ELIGIBLE	PERCENTAGE
Total	23,785	28,906	82.28
ACCESS I	4,825	5,990	80.55
ACCESS II	5,190	6,066	85.56
FFS	13,726	16,788	81.76
HMO	44	62	70.97

HEDIS Well-child visits in the first 15 months of life								
Measurement Year 2003								
CSHCN- By S	ystem of Ca	re						
PERCENTAG	ÉS							
Syscare	0 visits	1 visit	2 visits	3 visits	4 visits	5 visits	6+ visits	
ACCESS I	1.05%	1.98%	3.69%	6.85%	12.78%	24.04%	49.60%	100.00%
ACCESS II	1.93%	1.35%	2.11%	5.15%	11.53%	22.18%	55.76%	100.00%
FFS	4.92%	4.89%	6.50%	9.84%	15.47%	21.26%	37.12%	100.00%
HMO	0.00%	0.00%	28.57%	28.57%	0.00%	28.57%	14.29%	100.00%

# DATA TABLES FOR CHILDREN WITH SPECIAL HEALTH CARE NEEDS (CSHCN) MEASUREMENT YEAR 2003 REPORTING YEAR 2004

	Counts							
	0 visits	1 visit	2 visits	3 visits	4 visits	5 visits	6+ visits	Total
ACCESS I	16	30	56	104	194	365	753	1,518
ACCESS II	33	23	36	88	197	379	953	1,709
FFS	187	186	247	374	588	808	1,411	3,801
HMO	0	0	2	2	0	2	1	7
	236	239	341	568	979	1,554	3,118	7,035
	3.35%	3.40%	4.85%	8.07%	13.92%	22.09%	44.32%	100.00%

HEDIS Well-child visits in the third, fourth, fifth, and sixth years of life Measurement Year 2003 CSHCN- By System of Care							
SYSCARE	SCREENS	ELIGIBLES	PERCENTAGE				
Total ACCESS I ACCESS II FFS HMO	11,854 2,684 3,896 5,266	19,180 4,264 6,076 8,815 25	61.80 62.95 64.12 59.74 32.00				

HEDIS Adolescent Well-care Visits								
Measurement	Measurement Year 2003							
CSHCN- By System of Care								
SYSCARE	SCREENS	ELIGIBLES	PERCENTAGE					
Total	9,241	30,893	29.91					
ACCESS I	1,657	6,561	25.26					
ACCESS II	2,481	8,198	30.26					
FFS	5,090	16,060	31.69					
HMO	13	74	17.57					

## DATA TABLES FOR CHILDREN WITH SPECIAL HEALTH CARE NEEDS (CSHCN) MEASUREMENT YEAR 2003 REPORTING YEAR 2004

HEDIS Inpatient Utilization - General Hospital Acute Care

Measurement Year 2003

**Total Inpatient Acute Care** 

CSHCN

	D' I	D/Cs/1,000 member	T.	Days/1,000 member	Average	D/Cs/1000	Days/1000	Total
Age	Discharges	months	Days	months	LOS	members	members	Months
<1	2,648	27.2	17,225	176.9	6.5	326.3	2122.7	97,375
1 to 9	4,621	8.0	19,355	33.6	4.2	96.4	403.7	575,346
10 to 19	2,950	5.8	14,470	28.5	4.9	69.6	341.5	508,408
Total	10,219	8.7	51,050	43.2	5.0	103.8	518.7	1,181,129

**HEDIS Inpatient Utilization - General Hospital Acute Care** 

**Measurement Year 2003** 

**CSHCN** 

Medical

Age	Discharges	D/Cs/1,000 member months	Days	Days/1,000 member months	Average LOS	D/Cs/1000 members	Days/1000 members	Total Months
<1	2,220	22.8	9,572	98.3	4.3	273.6	1179.6	97,375
1 to 9	3,911	6.8	14,054	24.4	3.6	81.6	293.1	575,346
10 to 19	1,933	3.8	9,471	18.6	4.9	45.6	223.5	508,408
Total	8,064	6.8	33,097	28.0	4.1	81.9	336.3	1,181,129

HEDIS - Inpatient Utilization - General Hospital Acute Care

Measurement Year 2003

Surgery

CSHCN

• • • • • • • • • • • • • • • • • • • •								
Age	Discharges	D/Cs/1,000 member months	Days	Days/1,000 member months	Average LOS	D/Cs/1000 members	Days/1000 members	Total Months
<1	428	4.4	7,653	78.6	17.9	52.7	943.1	97,375
1 to 9	710	1.2	5,301	9.2	7.5	14.8	110.6	575,346
10 to 19	545	1.1	3,757	7.4	6.9	12.9	88.7	508,408
Total	1,683	1.4	16,711	14.1	9.9	17.1	169.8	1,181,129

# DATA TABLES FOR CHILDREN WITH SPECIAL HEALTH CARE NEEDS (CSHCN) MEASUREMENT YEAR 2003 REPORTING YEAR 2004

HEDIS Inpatient Utilization - General Hospital Acute Care										
Measurement Year 2003										
Maternity-CSHCN										
		D/Cs/1,000 member		Days/1,000 member	Average	D/Cs/1000	Days/1000			
Age	Discharges	months	Days	months	LOS	members	members	Total Months		
<1										
1 to 9										
10 to 19	472	0.9	1,242	2.4	2.6	11.1	29.3	508,408		
Total	472	0.9	1,242	2.4	2.6	11.1	29.3	508,408		